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Ranunculus

This most beautiful spring-blooming flower has won the favor and esteem of flower-lovers in a most amazing manner during the past few years, and for very definite reasons, aside from its glory of color and exquisite beauty. Few other flowers bloom so prolifically, are so easy to grow.

The attractive double and semi-double flowers come in bright colors of red, pink, rose, yellow, and white, as well as intermediate shades. Their long, graceful stems and delicate foliage with their attractive colors make them unexcelled for cut-flowers and they are equally attractive in the border or bed in the garden.

LAGO GIANT RANUNCULUS

One of the reasons for the increasing popularity of the Ranunculus is the gradual improvement of this flower. Particularly is this true in the Lago Giant Strains which produce a large percentage of double flowers as well as large individual blooms in most attractive shades.

LAGO JUMBO MIXED—Our deluxe selection. The fanciest sized and graded bulbs. Develop stronger plants and larger numbers of blossoms per plant. Choice color selection. **75c per doz., \$5.50 per 100.**

LAGO GIANT MIXED—The result of years of expert selection. It is, we believe, the finest strain, producing a large percentage of giant double flowers as well as attractive semi-double flowers in a wide range of beautiful shades. **50c per doz., \$3.50 per 100.**

LAGO GOLD—(New) Giant peony-flowered variety having golden yellow blooms with greenish centers. **60c per doz., \$4.50 per 100.**

LAGO RED SHADES—Mixture of red, rose, orange, and intermediate shades. **60c per doz., \$4.50 per 100.**

LAGO PINK SHADES—**60c per doz., \$4.50 per 100.**

LAGO WHITE—**60c per doz., \$4.50 per 100.**

LAGO ORANGE—**60c per doz., \$4.50 per 100.**

FALL BULB CATALOG



Ranunculus,
Lago Jumbo
Mixed

Anemones



Anemone De Caen

Chief among the virtues of this beautiful flower is the easy manner in which it may be cultivated. The blooms of the single varieties resemble poppies and offer a wonderful assortment of colors. They lend a particularly striking effect when massed. Plant the bulbs 1 to 1½ inches deep and 4 to 6 inches apart.

DE CAEN (Giant Single Poppy-flowered Anemone)—A magnificent type, including a surprisingly large number of colors. **50c per doz., \$3.50 per 100.**

CHRYSANTHEMIFLORA (Improved St. Brigid)—A grand strain of Poppy Anemones having large portion of double flowers with petals finely divided. They range in color from the deepest crimson to the purest white, emphasizing such delicate shades as cobalt, scarlet, rose, salmon-pink, and heliotrope. **60c per doz., \$4.50 per 100.**

BLUE POPPY-FLOWERED—A strain running mostly to deep blue shades, with very large flowers. **60c per doz., \$4.50 per 100.**

HIS EXCELLENCY—Large, semi-double blooms of a brilliant poppy-scarlet color. **60c per doz., \$4.50 per 100.**

PURE WHITE (NEW)—Large single blossoms of pure immaculate white. **60c per dozen, \$4.50 per 100.**

IMPORTATION OF HOLLAND BULBS IMPOSSIBLE

Due to existing war conditions, Tulips, Hyacinths, and many other bulbs imported from Holland are impossible to secure for fall planting this year. Therefore no listings of such items are made in this fall catalog.

This catalog contains a splendid list of the best of American grown bulbs. We suggest you use our American grown Daffodils, varieties of Narcissi, Ranunculus, Anemones, Dutch Iris, etc., which are guaranteed of the highest quality, and will afford great beauty and unlimited variety.

F. LAGOMARSINO & SONS
721 J. STREET - SACRAMENTO, CALIFORNIA





Triumph
Hope

Hiawatha
Treasure Island

Evening Star
Mariner

SIX NEW EARLY FLOWERING SWEET PEAS

Price, 20c per pkt.

EVENING STAR—Brilliant orange scarlet suffused orange with lighter-toned wings. (Top left.)

HIAWATHA—Rich deep rose. Exceptionally large flowers on long stems. (Top right.)

HOPE—Pure white and one of the latest improvements. (Center left.)

MARINER—Large ruffled flowers of bright mid-blue. (Center right.)

TREASURE ISLAND—Sparkling golden orange. Very large non-fading, semi-duplex. (Lower left.)

TRIUMPH—A delightful shade of lilac mauve. (Lower right.)

Special SWEET PEA Collections

SUPERB 7-PACKET SPENCER COLLECTION

GIANT LATE FLOWERING
POWERSOURT—Lavender.
SMILES—Salmon.
OLYMPIA—Purple.
RUBICUND—Red.
PINKIE—Pink.
CAPRI—Blue.
SUNKIST—Cream, pink edge.

The 7 pkts. 50c (value 70c) or 10c each.
Any of the above in bulk, 25c oz., 1/4 lb. 75c.

LAGO 7-PACKET EARLY-BLOOMING SPENCER COLLECTION

EARLY FLOWERING

EARLY HARMONY—Lavender.
EARLY GIANT ROSE—Rose-pink.
VULCAN—Red.
ORIENTAL—Deep cream.
EARLY MARINE—Dark blue.
APOLLO—Salmon-pink.
EARLY PRIDE—Cerise, tinted scarlet.

The 7 pkts. 50c (value 70c) or 10c each.

SWEET PEAS

EARLY FLOWERING SPENCER SWEET PEAS

These varieties have large, ruffled blossoms of the Spencer type and blossom from four to six weeks earlier than the regular Spencer type.

PRICES:

Pkt. 10c each; 1/2 oz. 30c; oz. 50c.

EARLY BLUE BIRD—Magnificent violet-blue; profuse and continuous bloomer.

MARS—Ox-blood red.

EARLY COLUMBIA—Large; pink and white.

EARLY EXPOSITION PINK—Rich pink.

EARLY APOLLO—Soft salmon-cerise.

EARLY ELEANOR BLUE—Very beautiful, long stems.

EARLY ORIENTAL—Deep rich cream.

EARLY DAPHNE—Soft salmon-pink.

EARLY ANNIE LAURIE—Richest pure rose-pink.

EARLY HARMONY—Rich, true, deep lavender. Flowers large, beautifully waved, on long stems.

EARLY MRS. KERR—A clear, light orange-salmon. Its exquisite color has made this variety very popular.

EARLY ORIENTAL—Deepest cream yet introduced in this class; flowers of large size.

EARLY MARINE—Dark blue.

SHIRLEY TEMPLE—Large sized blooms, daintily frilled. Soft rose-pink.

SNOWSTORM IMPROVED—A fine, pure white variety.

EARLY VULCAN—Vivid scarlet, splendid grower.

EARLY PRIDE—Deep cerise, tinged with scarlet. Large flowered, longer stemmed.

EARLY FLOWERING SPENCER SWEET PEAS MIXED—Well-balanced mixture. Pkt. 10c; oz. 35c.

LATE FLOWERING SPENCER SWEET PEAS

Pkt. 10c; oz. 25c.

CAPRI—Light blue.

CHINESE BLUE—Solid deep blue.

THE ADMIRAL—Best navy-blue.

CISSIE—Pale cream-pink.

MISS CALIFORNIA—Salmon-cream-pink.

ARTISTE—Salmon-rose-pink.

MAYFAIR—Beautiful shell-pink.

PEGGY ANN—Deep rose-pink.

PIERROT—White with deep blue edges.

MRS. A. SEARLES—Salmon-cerise, merging into a soft oriental-red. Remarkable and distinct color.

WHAT JOY—Primrose, shading to cream. Charming tone and so far the nearest approach to a true yellow.

RUBICUND—Rich crimson-scarlet.

RED BOY—The very best crimson.

AMBITION—Rich deep lavender, with a darker shade on the base of standard.

POWERSOURT—A clear pure lavender.

WARRIOR—Rich chocolate-maroon. A magnificent variety which has held its place and popularity for a number of years.

GEORGE SHAWYER—A giant orange-pink, the standard showing more orange than the wings.

YOUTH—The flower is strongly perfumed. It can be described as white ground picotee.

SUNKIST—Similar to Youth, except that it has a cream ground. Both these sweet peas are dainty color combinations.

PINKIE—Rose-pink with large and frilled flowers. This variety is seldom affected by weather conditions.

JACK HOBBS—Cream-pink, flushed scarlet. One of the largest sweet peas ever introduced.

OLYMPIA—Deep rich purple of graceful form and immense size.

SMILES—Clear glistening salmon, best describes this exquisite variety.

WELCOME—By far the best and most brilliant, dazzling, scarlet sweet pea.

GIGANTIC—The best white sweet pea. Flowers large. Black seeded.

AVALANCHE—Immense glistening white flowers. The blooms are very frilled. White seeded.

LAGOMARSINO'S GOLDEN WEST MIXTURE

Giant Late Flowering Spencer Sweet Peas

This is our special mixture and is a blend of all the most beautiful colors in Spencer sweet peas.

Pkt. 10c, oz. 25c, 1/4 lb. 65c, 1/2 lb. \$1.15.

.1 lb. \$2.00.

FLOWER SEEDS FOR Fall and Winter Sowing

An.—Annual. Pr.—Perennial.

Alyssum

COMPACTUM, LITTLE GEM—An. 5-inch compact. Dense flower heads. Pkt. 10c, $\frac{1}{4}$ oz. 20c.
PROCUMBENS, CARPET OF SNOW—An. Dense flat masses of white flowers. Pkt. 10c, $\frac{1}{4}$ oz. 30c, 1 oz. 85c.
SAXATILE COMPACTUM, BASKET OF GOLD—Pr. Golden yellow. Pkt. 10c, $\frac{1}{4}$ oz. 40c.

Anchusa

ITALICA LISSADELL—Pr. Bright gentian blue. Pkt. 15c, $\frac{1}{4}$ oz. 35c.

Antirrhinum, Snapdragons (Rust-Resistant) An.

MAXIMUM—Tall, large flowered.

Alaska—White. Pkt. 10c, $\frac{1}{16}$ oz. 65c.
 Belle of Calif.—Delicate pink, white throat. Pkt. 10c, $\frac{1}{16}$ oz. 65c.
 Indian Summer—Copper-scarlet. Pkt. 10c, $\frac{1}{16}$ oz. 65c.
 California Supreme—Canary yellow. Pkt. 10c, $\frac{1}{16}$ oz. 65c.
 Crimson Monarch—Crimson. Pkt. 10c, $\frac{1}{16}$ oz. 65c.
 Maximum Mixture—Lovely blend. Pkt. 10c, $\frac{1}{16}$ oz. 50c, $\frac{1}{8}$ oz. 80c.
SUPER MAJESTIC—Dwarf, extra large flowers.
 Golden Orange—Pkt. 25c, $\frac{1}{4}$ oz. 90c.
 Royal Crimson—Pkt. 25c, $\frac{1}{4}$ oz. 90c.
 Light Salmon Pink—Pkt. 25c, $\frac{1}{4}$ oz. 90c.
 Orange Pink—Pkt. 25c, $\frac{1}{4}$ oz. 90c.
 Mixed—Pkt. 15c, $\frac{1}{4}$ oz. 90c.
MAJUS GRANDIFLORUM—Half-tall.
 Franklin D. Roosevelt—Rose-pink. Pkt. 10c, $\frac{1}{16}$ oz. 65c.
 Sierra Snow—White. Pkt. 10c, $\frac{1}{16}$ oz. 65c.
 Sunset—Deep yellow. Pkt. 10c, $\frac{1}{16}$ oz. 65c.

Aquilegia (Columbine) Pr.

LONG-SPURRED VARIETIES—

Blue Shades—Pkt. 25c, $\frac{1}{16}$ oz. 75c.
 Rose Queen—Rose, white corolla. Pkt. 25c, $\frac{1}{16}$ oz. 75c.
 Copper Queen—Coppery red. Pkt. 25c, $\frac{1}{16}$ oz. 75c.
 Crimson Star—Blood red, white corolla. Pkt. 25c, $\frac{1}{16}$ oz. 75c.
 Longissima—Bright yellow, spurs 4 in. long. Pkt. 25c.
 Mrs. Scott Elliott's Strain—The popular long spurred mixture. Pkt. 25c, $\frac{1}{16}$ oz. 65c.

COERULEA—Rocky Mountain Columbine.

Mrs. M. Nicholls—Improved strain, fine for rockeries. Pkt. 25c.

Calendula, An.

***YELLOW COLOSSAL**—(New) Largest calendula in the world. Pkt. 25c.
SUNSHINE or CHRYSANTHA—Golden yellow, loose petaled. Pkt. 10c, $\frac{1}{4}$ oz. 35c.
BALL'S LONG ORANGE—Bright golden orange. Pkt. 15c, $\frac{1}{4}$ oz. 35c.
BALL'S MASTERPIECE—Deep orange, br. center. Pkt. 15c, $\frac{1}{4}$ oz. 35c.
BALL'S LEMON QUEEN—Lemon yellow, brown center. Pkt. 15c, $\frac{1}{4}$ oz. 35c.

Candytuft

MINIATURE GEM—An., 4 inch. Rock or border plant. Pkt. 10c.

Canterbury Bell, Biennial

CAMPANULA MEDIUM CALYCANTHEMA (Cup and Saucer Canterbury Bells)—Dark Blue, Light Blue, Rose, White. Pkt. 15c; 4 pkts. 50c; $\frac{1}{8}$ oz. 45c. Mixed—Pkt. 10c, $\frac{1}{8}$ oz. 35c.

Campanula, Pr.

PYRAMIDALIS (Chimney Bellflower)—Pkt. 15c, $\frac{1}{8}$ oz. 50c.
ROTUNDIFOLIA (Blue Bells of Scotland)—Pkt. 15c, $\frac{1}{8}$ oz. 50c.
 ***PERSICIFOLIA, TELHAM BEAUTY** (Peach Bells) — Large bells of beautiful china blue. Long stems. Pkt. 15c, $\frac{1}{8}$ oz. 50c.

Carnation, An.

CHABAUD'S ENFANT DE NICE—A fine standard strain. Pkt. 25c, $\frac{1}{16}$ oz. 75c.

Cheiranthus (Siberian Wallflower) Pr.

ALLIONI—Orange flowers. Fine for dwarf border and rockeries. Pkt. 15c, $\frac{1}{4}$ oz. 35c.

Chrysanthemum Leucanthemum (Shasta Daisy) Pr.
SHASTA ALASKA—The standard Shasta Daisy. Pkt. 15c, $\frac{1}{8}$ oz. 35c, $\frac{1}{4}$ oz. 65c.

DBL. SHASTA DAISY (Diener's Strain)—Colossal size, double and semi-double flowers. Pkt. 35c.

Coreopsis, Pr.

DOUBLE SUNBURST—A fine semi-double strain. Pkt. 15c, $\frac{1}{4}$ oz. 35c.

Cynoglossum (Chinese Forget-Me-Not) An.

***FIRMAMENT**—(New) (15-20 inch) Compact, free-flowering. Pkt. 15c.

English Daisy (Bellis Perennis) Pr.

MONSTROSA—Improved giant double.
 Giant White, Giant Pink, Giant Red—Pkt. 15c, $\frac{1}{8}$ oz. 60c.
 Giant Double Mixed—Pkt. 15c, $\frac{1}{8}$ oz. 50c.

Delphinium, Pr.

PACIFIC GIANT HYBRIDS—The "tops" in Delphinium.
 White—Pkt. 25c. Choice Mixed Blue Shades—Pkt. 25c.

Digitalis (Foxglove) Pr.

GIANT SHIRLEY MIXED—Spotted and blotched flowers. Pkt. 15c, $\frac{1}{4}$ oz. 35c.

HYBRIDA LUTZII—Salmon. Pkt. 15c, $\frac{1}{4}$ oz. 35c.

Gaillardia, Pr.

DAZZLER—Golden yellow, maroon-red center. Pkt. 15c, $\frac{1}{8}$ oz. 50c.



Stocks, Early Giant Imperial

Geum, Pr.

LADY STRATHEDEN—Double golden yellow. Pkt. 15c, $\frac{1}{8}$ oz. 50c.
MRS. BRADSHAW—Double glowing red. Pkt. 15c, $\frac{1}{8}$ oz. 50c.
PRINCE OF ORANGE—Double golden orange. Pkt. 15c, $\frac{1}{8}$ oz. \$1.00.

Hollyhock, Pr.

IMPERATOR—Choice double fringed mixture. Pkt. 15c, $\frac{1}{8}$ oz. 45c.

Myosotis (Forget-Me-Not) An.

INDIGO BLUE COMPACTA—Pkt. 10c, $\frac{1}{4}$ oz. 40c.

Pansy, An.

LAGOMARSINO'S EXTRA LARGE FLOWERING ITALIAN GIANTS, MIXED—Pkt. 25c, $\frac{1}{16}$ oz. \$1.00.

MASTODON JUMBO GIANTS, MIXED—Pkt. 50c, $\frac{1}{16}$ oz. \$2.00.

ROGGLI or SWISS GIANTS—

Berna—Dark blue, purple blotches. Pkt. 25c, $\frac{1}{16}$ oz. \$1.00.

Alpenglow—Rich garnet-red. Pkt. 25c, $\frac{1}{16}$ oz. \$1.00.

Rheingold—Large yellow, brown blotch in center. Pkt. 25c, $\frac{1}{16}$ oz. \$1.00.

Coronation Gold (New)—Extra dwarf, large clear yellow. Pkt. 25c.

Mont Blanc—White, dark blue blotches. Pkt. 25c, $\frac{1}{16}$ oz. \$1.00.

Dwarf Swiss Giants Mixed—Pkt. 25c, $\frac{1}{16}$ oz. \$1.00.

Roggli or Swiss Giants Mixed—Pkt. 25c, $\frac{1}{16}$ oz. 75c.

Pentstemon, Pr.

SENSATION IMPROVED—Pkt. 15c, $\frac{1}{16}$ oz. 45c.

Primrose

MALACOIDES, BABY PRIMROSE—An. Pkt. 15c, $\frac{1}{16}$ oz. 90c.

VERIS POLYANTHUS, "COWSLIP"—Pr.

Giant Munstead Strain—Shades of yellow, dwarf. Pkt. 25c.

Aurea—Golden yellow. Pkt. 25c.

Coerulea—Blue shades. Pkt. 25c.

Red—Ruby red. Pkt. 25c.

Polyanthus Mixed—Pkt. 15c, $\frac{1}{16}$ oz. 75c.

Pyrethrum (Painty Daisy) Pr.

AUREUM, GOLDEN FEATHER—Pkt. 10c, $\frac{1}{4}$ oz. 25c.

DOUBLE MIXED—Pkt. 15c, $\frac{1}{16}$ oz. 75c.

Scabiosa, An.

BLUE MOON—Lavender blue. Pkt. 15c.

GIANT HYBRIDS MIXED—Pkt. 10c, $\frac{1}{4}$ oz. 25c, 1 oz. 60c.

Stock, An.

EARLY GIANT IMPERIAL—2 ft. Rose-pink, Fiery Blood Red, Laven-

der, Lilac, Elk's Pride, Old Rose, Golden Ball, Santa Maria (white),

Chamois, Antique Copper. Pkt. 15c, $\frac{1}{16}$ oz. 50c.

FINEST MIXED—Pkt. 15c, $\frac{1}{16}$ oz. 40c, $\frac{1}{8}$ oz. 75c.

Sweet William, Pr.

NEWPORT PINK—Salmon-rose. Pkt. 10c, $\frac{1}{4}$ oz. 40c.

SINGLE VARIETIES MIXED—Pkt. 10c, $\frac{1}{4}$ oz. 25c, 1 oz. 75c.

Wallflower, An.

DOUBLE EARLY WONDER MIXED—Pkt. 15c, $\frac{1}{8}$ oz. 40c.

Lagomarsino's SELECTED Dutch IRIS

The following are some of the outstanding varieties of the Dutch and Spanish types because of their high quality in form, color, size of blooms and adaptability to your garden. They make beautiful cut flowers and if cut when in the bud will last a long time in water. For best effect they should be planted in masses of from 25 to 100 or more rhizomes, setting them 6 inches apart and 2 to 3 inches deep. They grow 18 to 24 inches tall. Plant early as possible in the fall for best results.

CELESTIAL—Fine large flowers. Clear light blue. 50c per doz., \$3.50 per 100.

WEDGEWOOD — Even Wedgewood blue; large flowers on strong stalks, may be had in bloom as early as mid-January, earlier if pre-cooled. 50c per doz., \$3.50 per 100.

DAVID HARING—Stately large white with golden center. 50c per doz., \$3.50 per 100.

IMPERATOR — Gorgeous brilliant blue; strong stem. 50c per doz., \$3.50 per 100.

LEONARDO DA VINCI—Creamy white standard and falls of canary-yellow; orange stripe. 50c per doz., \$3.50 per 100.

ADRIAN BACKER — Uniform purple-lilac, good substance. 50c doz., \$3.50 per 100.

INDIAN CHIEF—Standards delicate violet, the falls bronze; unique and lovely. 50c per doz., \$3.50 per 100.

WHITE EXCELSIOR—Very early. Of very good form and substance, both standards and falls of the purest white. 50c per doz., \$3.50 per 100.

YELLOW QUEEN—An excellent variety of a uniform yellow. 50c per doz., \$3.50 per 100.

SELECT DUTCH MIXTURE—Composed of many beautiful colors. 50c per doz., \$3.50 per 100.

CALLA LILIES

Favorites, both for their beauty and the ease with which they are brought into bloom.

WHITE—Large white flowers. An old favorite. 15c each, \$1.50 per doz., postpaid.

YELLOW—Flowers bright yellow. Dark green foliage. 25c each, \$2.50 per doz.; larger bulbs, 25c each, \$2.50 per doz.

PINK—Flowers rose pink, 1½ to 2 inches across. 75c each, 3 for \$2.00, \$7.50 per doz.

WATSONIAS

J. J. DEAN—Rich rose color, broad petals.

All Watsonias,

ED. STURTEVANT—Orange-scarlet.

7c each, 80c per doz.

LILIAN BENNER—Clear lavender-orchid.

MRS. BULLARD'S WHITE—Pure white, broad petals. Early.

Calla Lily

AMARYLLIS

NEW HYBRIDS, MIXED—Some of the finest hybrids that have been produced in this country. The strong bulbs throw vigorous stems, bearing 4 to 6 gigantic blooms of most perfect form and ranging in color from pure white grounds with varied markings of rose, red and crimson to the richest self-colors, as scarlet, crimson, bright red, cherry, and almost maroon. They are of the easiest culture outdoors and excellent for growing in pots. Large strong bulbs, mixed colors only, 50c each, \$3.50 per doz.

MUSCARI (Grape Hyacinth)

One of the prettiest of early flowering bulbs, growing about 6 inches high and throwing up numerous spikes of flowers, which resemble a miniature inverted bunch of grapes. Thrive either in partially shaded or sunny locations. For best effect plant in masses. For pot culture plant 6 bulbs in a 5-in. pot and treat same as hyacinths.

HEAVENLY BLUE—Large-flowered blue variety. 40c per doz., \$3.50 per 100.

Good fertile soil is essential for all bulbs, and should be prepared well in advance of planting. Spade thoroughly and heavily enrich soil with **Nutrio**, the most scientifically and thoroughly prepared humus for garden soils. **Nutrio** readily becomes incorporated into soil, loosening same, providing good drainage, necessary soil aeration, and furnishes a steady balanced food supply for growth of bulbs.



EARLY FLOWERING GLADIOLUS

These Gladiolus are exceptionally early flowering, producing charming, dainty blossoms arranged on slender, graceful spikes. They serve for cutting and decorative work as well as lend an air of distinction to your garden.

CLEAR SALMON—Large, bright clear orange-salmon; outstanding color.

LAGO BRICK-RED—A distinct shade.

LAVENDER—Beautiful color; strong spikes.

DEEP ROSE—Excellent deep rose.

PINK—Choice medium pink.

LAGO EARLY-FLOWERING MIXTURE—This mixture contains a wide range of popular and pleasing shades.

Any of the above, 50c per doz., \$3.50 per 100.

A complete variety of Late-flowering Gladiolus will be featured in Lagomarsino's Spring Garden Guide.

LEUCOCORYNE (*Ixioides odorata*)

"GLORY OF THE SUN"—Recent introduction from Chile; flowering in the spring. Heads of large, fragrant flowers, blue with white center and golden stamens, carried gracefully on a wiry stem 12 to 18 inches tall. Requires same culture as freesias. Its long lasting qualities as a cut flower and its ease of culture make it an outstanding new plant. 15c each, \$1.50 per dozen.

Muscati



ORNITHOGALUM

AUREUM—Rich apricot-orange color. Wonderful keeper as a cut flower and an excellent pot plant. **15c each, \$1.50 per doz.**

ARABICUM (Star of Bethlehem)—Beautiful variety producing tall spikes of white star-shaped flowers set off by a gleaming black center, which makes them a striking feature. **10c each, 75c per doz., postpaid.**

SPARAXIS

NEW LAGO HYBRIDS—Flowers larger and in much better color range than the common strain and include the famous Bloem ERF Hybrids. 8 to 10-inch stems. **50c per doz., \$3.50 per 100.**

SNOWFLAKE (*Leucojum vernum*)

Similar to snowdrops, but of stronger habit. The flowers are white, tipped with green, and are borne on stems 1 to 2 feet tall. Plant bulbs 2 to 3 inches deep and 3 inches apart. May be left in ground for several years. **50c per doz., \$3.50 per 100.**

IXIAS

SPECIAL MIXTURE—Beautiful winter-flowering bulbs, bearing their blooms on long, slender, graceful spikes. Colors are rich, varied, and beautiful. Plant bulbs 1 inch deep, 4 to 6 inches apart. For best effects plant in beds or groups of 25 to 100 or more bulbs. This special mixture contains a great many varieties and colors. **50c per doz., \$3.50 per 100.**

SEPARATE COLORS—Orange, Red, Cerise, Yellow, Purple. **50c per doz., \$3.50 per 100.**

TRITONIA CROCATA (Flame Freesia)

These beautiful flowers may be used to border a bulb garden, and are especially useful in adding color to the rock garden. Splendid for use in naturalizing, as they do not deteriorate when left in the ground, but improve from year to year. Useful in bowls and small bouquets, and good keepers. Plant 2 inches deep, 3 inches apart.

PRINCE OF ORANGE—Pure glowing orange color. **35c per doz., \$2.50 per 100.**

NEW HYBRIDS MIXED—Shades of blue, pink, orange, and red. **35c per doz., \$2.50 per 100.**

CROCUS

Crocus are among the first flowers to bloom in the spring, and make a beautiful showing when planted in the lawn. The bulbs should be thrown promiscuously over the lawn and be set where they fall, merely lifting the sod with a knife or trowel, slipping the bulb underneath and pressing the soil back into place. We offer the following at **40c per doz., \$2.75 per 100.**

YELLOW.

PURPUREA GRANDIFLORA—Purple.

PALLAS—Striped.

LIGHT BLUE.

DARK BLUE.

MIXED COLORS—Lagomarsino's Special Mixture.



Sparaxis

FREESIAS

FISCHER'S PURITY—The finest and purest white sort yet introduced. **30c per doz., \$2.00 per 100, \$17.50 per 1000.**

GENERAL PERSHING—Large; lavender-pink. **40c per doz., \$3.00 per 100.**

GOLDEN DAFFODIL—The largest of all colored Freesias and also two weeks earlier. Bright golden yellow. **40c per doz., \$3.00 per 100.**

MARY LOUISE FISCHER—Very large, lavender-blue flowers, far superior to Fischer's Splendens. **40c per doz., \$3.00 per 100.**

MENDOTA—Flowers very bright yellow, on stems 12 to 18 inches tall. **40c per doz., \$3.00 per 100.**

MRS. MARC PETERS—Bright rose with orange throat. **40c per doz., \$3.00 per 100.**

OLIVETTE—Bright carmine-red, with light yellow throat. **40c per doz., \$3.00 per 100.**

SUNSET—Attractive flame-orange. **40c per doz., \$3.00 per 100.**

RAINBOW MIXTURE—All shades, including white. **35c per doz., \$2.50 per 100.**

LAGOMARSINO'S FREESIA MIXTURE—Comprises shades of pink, lavender, crimson, yellow, etc., but no white. Very beautiful. **40c per doz., \$3.00 per 100.**

SCILLA

As edgings and masses in beds and borders, Scillas are most valuable. They succeed in shady flower borders, and bare, shady places and odd corners which often have a desert-like appearance. *Scilla campanulata* even does well in the shelter of coniferous trees, which are not always good companions for flowering plants. The foliage and flowers resemble somewhat a hyacinth. Plant 3 inches deep, 4 to 6 inches apart.

SCILLA CAMPANULATA (WOOD HYACINTH)

ALBA—White bells. 12 inches. **50c per doz., \$3.50 per 100.**

BLUE QUEEN—Porcelain-blue. Height 15 inches. **50c per doz., \$3.50 per 100.**

ROSE QUEEN—Rose. 15 inches. **50c per doz., \$3.50 per 100.**

ITALICA—Blue. **50c per doz., \$3.50 per 100.**

MIXED—**50c per doz., \$3.50 per 100.**

Bulbs should be used much more extensively in our gardens. They may be had in bloom from very early spring until summer—particularly for early spring bloom when flowers are scarce, and before other types of plant material has begun to grow or develop to any extent.



Crocus



NARCISSUS AND DAFFODILS

LARGE TRUMPET VARIETIES



King Alfred

POETAZ

CHEERFULNESS — A double Elvira, white petals, centers tinted cream, fragrant; finely formed flowers like small gardenias, 3 to 4 on a stem. Fine for cutting and a good garden variety. 15c each, \$1.50 per doz.

LAURENS KOSTER — Cream-white perianth with soft lemon-yellow cup; flowers in nice clusters on long, strong stems. Probably one of the best of the older varieties for general garden planting. 8c each, 75c per doz., \$5.50 per 100.



Laurens Koster

POETICUS

CASSANDRA — Wide spreading, clear white perianth; outstanding eye of canary-yellow, with dark red-rimmed crown. One of the new Poeticus varieties. 8c each, 85c per doz., \$5.50 per 100.

POETICUS RECURVUS — The famous daffodil of song and verse known the world over, the old Pheasant's Eye. Perianth of pure white, reflexing slightly; cup margined deep scarlet; sweet scented. Splendid for cutting and naturalizing. 8c each, 75c per doz., \$5.50 per 100.

POETICUS ORNATUS — An improved form of Recurvus; pure white perianth with yellow eye rimmed crimson. An old variety, good for naturalizing and an early variety. Much used for bowls and pot work. 8c each, 75c per doz., \$5.50 per 100.

JONQUILS

This popular flower has won its "place in the sun" with its lovely grace, rich color, and sweet scent. The blossoms are in clusters and resemble daffodils, although the flowers are smaller.

Plant the bulbs 4 to 5 inches deep, 6 to 10 inches apart.

CAMPERNELLE RUGULOSUS — Single, rich yellow flowers. 75c per doz., \$5.50 per 100.

CHINESE SACRED LILY

Outdoor Culture: Plant bulbs 4 to 5 inches deep, 8 to 12 inches apart.

The bulbs are large and throw up from five to ten flower spikes, bearing clusters of large, white blossoms with yellow centers. Delicious fragrance. They are most successful when cultivated in water. A dozen bulbs planted at intervals in bowls with enough gravel to hold them upright will give a profusion of bloom during the winter months. Large bulbs, 10c each, \$1.00 per doz., \$7.50 per 100.

AEROLITE — A beautifully proportioned flower; perianth deep primrose, with a medium yellow trumpet which is left in bold relief by the broad pointed star formed by the opening outer petals, an inch and a half wide. One of the longest lasting of all daffodils. 10c each, \$1.00 per doz., \$7.50 per 100.

EMPEROR — Deep primrose perianth; rich full yellow trumpet. A forcing and bedding flower of proven merit; of good size and an old favorite for garden purposes. 8c each, 75c per doz., \$5.50 per 100.

SPRING GLORY — Clear white perianth, trumpet of deep yellow. One of the best of the newer daffodils. 10c each, \$1.00 per doz., \$7.50 per 100.

GLORY OF SASSENHEIM — An enlarged Victoria; pure white perianth and rich golden yellow trumpet, nicely frilled. Exceptionally fine show variety. 10c each, \$1.00 per doz., \$7.50 per 100.

GOLDEN SPUR — Golden yellow uniform trumpets; produces early and is a strong, vigorous grower. A most popular daffodil for forcing or for the garden. 8c each, 75c per doz., \$5.50 per 100.

KING ALFRED — A king among yellow trumpet daffodils and the most popular variety for forcing and the garden. Rich golden yellow throughout; deeply frilled. Perianth often measures 4 inches across, trumpet fully 2 inches. Strong grower. 10c each, \$1.00 per doz., \$7.50 per 100.

MRS. E. H. KRELAGE — The best white trumpet of moderate price. Pure white perianth, balanced petalage; trumpet opening creamy yellow, passing to white later on, rather straight and beautifully rolled back at brim. A long-stemmed, excellent grower; easy to force. 15c each, \$1.50 per doz.

OLYMPIA — Huge trumpet of deep primrose; twisted perianth of slightly paler shade. Much larger than Emperor; free flowering and hardy. A bit rough in form but large and striking. 10c each, \$1.00 per doz., \$7.50 per 100.

TRESSERVE — One of the leaders among the new giant trumpets; deep canary-yellow, beautifully slashed at brim, with a pale perianth, the segments of which reach forward about the trumpet, producing a flower of distinct individuality. Very large and good for border planting. 10c each, \$1.00 per doz., \$7.50 per 100.

VAN WAVEREN'S GIANT — An enormous flower of strong growth. Long trumpet of bright yellow with open mouth deeply flanged at brim; perianth pale yellow with outer petals exceptionally broad and inner ones usually slightly twisted, making the flower more graceful. 15c each, \$1.50 per doz.

VICTORIA — A splendid bi-color trumpet for forcing. Large, erect flowers; broad creamy white perianth; trumpet clear yellow, large, broad and of great substance. 10c each, \$1.00 per doz., \$7.50 per 100.



Chinese Sacred Lily

TRIANDRUS HYBRIDS

MOONSHINE—An exquisitely beautiful daffodil with creamy white, star-shaped flowers which droop most gracefully from the top of their stems where they grow in clusters of three. 20c each, \$2.00 per doz.

QUEEN OF SPAIN—A wild hybrid discovered in Spain and one of the most beautiful and distinct daffodils. Flowers vary slightly in size and sometimes in form of trumpet, but all are of a soft delicate canary-yellow with a graceful reflexing perianth. A fine flower for bedding, pot culture or naturalizing. 20c each, \$2.00 per doz.

THALIA—A dainty Triandrus hybrid; snow-white flowers borne in drooping clusters of two or three on tall, slender stems. 25c each, \$2.50 per doz.

POLYANTHUS NARCISSI

PAPER-WHITE GRANDIFLORA—This is the most satisfactory bulb that can be grown in the house for winter blooming. Bulbs placed in a bowl of water and pebbles will bloom in from 6 to 8 weeks from time of planting, and are superior to Chinese Lilies. The flowers are larger, more attractive in color, and very fragrant. A very unique and simple way to grow this variety of Narcissus is to place six to eight bulbs in a shallow glass or china bowl in water, supporting the bulbs with pebbles or gravel as you would the Chinese Lily, and place the bowl in the dark until the roots have started, when you should bring them to the light. The water requires changing occasionally to keep it pure. Do not add cold water; see that it is slightly warm. Plant any time in September or October, they can be easily brought into flower by Christmas. They can also be planted later to provide a succession of bloom. Outdoor culture: Plant bulbs 4 to 5 inches deep, 6 to 8 inches apart. Bulbs, 5c each, 50c per doz., \$3.50 per 100.

GRAND SOLEIL D'OR (The Yellow Paper-White)—This splendid Narcissus is in many ways similar to the Paper-White Narcissus but the blooms are an intense yellow color, with the center of the cup shaded orange. It may be grown in pebbles or fiber, the same as the Paper-Whites offered above. Bulbs, 10c each, \$1.00 per doz., \$7.50 per 100.

MEDIUM TRUMPET VARIETIES

BATH'S FLAME—Yellow perianth, deep yellow cup with broad orange-red edge. Perfection in scarlet and gold. 15c each, \$1.50 per doz.

TORCH (Incomparabilis)—The large and deep orange cup is the outstanding feature of this good looking daffodil, whose star-shaped yellow perianth is very broad. A free flowering, tall, vigorous grower. 10c each, \$1.00 per doz., \$7.50 per 100.

LUCINIUS (Incomparabilis)—A large, lovely all-yellow flower with broad, overlapping perianth, borne on tall, stiff stems. 10c each, \$1.00 per doz., \$7.50 per 100.

RED CROSS (Incomparabilis)—Primrose-yellow perianth with large petals overlapping; impressive orange-red crown, densely frilled. An outstanding variety in the daffodil world; of great size, substantial and long lasting. Fine for both garden and exhibition. 25c each, \$2.50 per doz.

CROESUS (Incomparabilis)—Round imbricated primrose perianth, with outer petals nearly touching, the inner ones overlapping; expanded crown, large and stained deep orange-red. A flower of great substance, free flowering, and a fine propagator. 15c each, \$1.50 per doz.

WHITEWELL (Incomparabilis)—Creamy white, broad petalled, starry perianth, opening flat or slightly reflexed; large deep yellow cup, flushed salmon; flower held well above foliage. A strong variety, lasting long in bloom. 10c each, \$1.00 per doz., \$7.50 per 100.

DIANA KASNER (Barri)—Pure white perianth with rounded petals; large fluted yellow cup with blood-red frill. A very free-flowering variety and an excellent forcer. 10c each, \$1.00 per doz., \$7.50 per 100.

MRS. NETTE O'MELVENY—A flower from fairyland. Pure white perianth and a lemon-yellow cup brilliantly marked with an orange picotee. 10c each, \$1.00 per doz.

FIRETAIL (Barri)—Broad-petalled, creamy white perianth; medium sized cup of brilliant scarlet-crimson. A remarkably beautiful variety, deservedly popular the world over. 20c each, \$2.00 doz.

JOHN EVELYN (Incomparabilis)—An outstanding flower, 4 inches across; flatly opening cream colored perianth; large open cup tinted a beautiful apricot and fluted or shirred to the base. Free flowering and a good propagator. 15c each, \$1.50 per doz.

LORD KITCHENER (Leedsi)—Tremendous, broad, flat perianth of pure white crowned with a very large cup of delicate primrose with frilled open mouth. A first class variety for border planting. 10c each, \$1 per doz., \$7.50 per 100.

HELIOS (Incomparabilis)—An early daffodil with overlapping golden perianth and flat cup of golden orange. 15c each, \$1.50 per doz.

FRANCISCA DRAKE—The pure white petals are 1½ inches wide, tinted gold at the base. The cup is golden yellow turning to orange. 30c each, \$3.00 per doz.



Twink

DOUBLE VARIETIES

ALBUS PLENU斯 ODORATUS—A rare old variety, gardenia-flowered, pure snowy white, with sweet almond fragrance. Should be planted in the shade and kept well watered at flowering time. Blooms late and is worth special care. 8c each, 75c per doz., \$5.50 per 100.

ORANGE PHOENIX—Creamy white with orange center petals; an old favorite among the double kinds. 8c each, 75c per doz., \$5.50 per 100.

THE PEARL—Soft creamy white, interspersed with sulphur-yellow, deeper at the center. Dainty form and a charming flower; not too double. 10c each, \$1.00 per doz., \$7.50 per 100.

TWINK—Petals of alternating soft primrose and clear orange; so arranged as to give the flower a most attractive appearance. One of the new double forms, popular for its striking color and early flowering habit. Adaptable for large scale decorative work; good forcer and hardy. 20c each, \$2.00 per doz.



Diana Kasner



Paper White Narcissus

VEGETABLE SEEDS FOR FALL SOWING

BEET

DETROIT DARK RED (Perfection Strain)—Fine improved strain. Roots true globe shape, deep blood red color. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 35c, lb. \$1.00.

EARLY WONDER—Roots flattened globe, dark purplish red color. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 35c, $\frac{1}{2}$ lb. 60c, lb. \$1.00.

CABBAGE

LAGO EARLY FLAT DUTCH—Solid, medium flat head. Pkt. 10c, oz. 50c, $\frac{1}{4}$ lb. \$1.50, lb. \$6.00.

LAGO BALL HEAD (Portuguese)—Solid, semi-globe shaped heads. Medium size. Pkt. 10c, oz. 50c, $\frac{1}{4}$ lb. \$1.50, lb. \$6.00.

SAVOY or CURLY CABBAGE—Leaves very crinkled, heads flattened globe shape, medium sized. Pkt. 5c, oz. 50c, $\frac{1}{4}$ lb. \$1.50, 1 lb. \$6.00.

CARROT

DANVERS HALF LONG—Long orange-scarlet roots tapering to a stump-root at the bottom. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 35c, 1 lb. \$1.

CHANTENAY RED CORE—Both flesh and core uniform deep reddish-orange. Half long, stump-rooted. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 35c, lb. \$1.00.

LOUISIANA DANVERS (New)—Improved Danvers Half Long. Extremely fine. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 35c, lb. \$1.00.

ENDIVE

LARGE GREEN CURLED—Curly, bright deep green leaves. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c, lb. \$1.25.

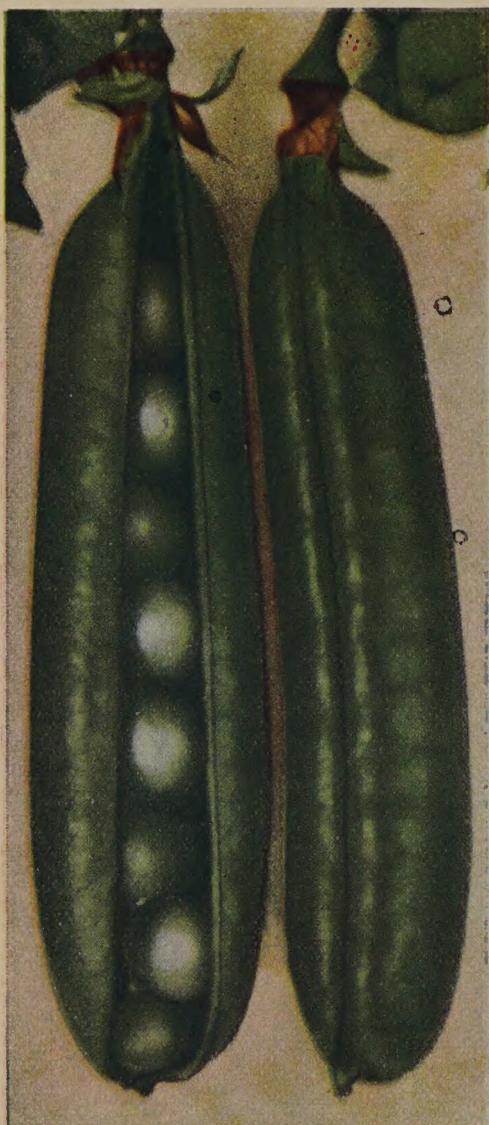
FULL HEART BATAVIAN (Escarolle)—Broad fleshy leaves. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c, lb. \$1.25.

KOHL-RABI

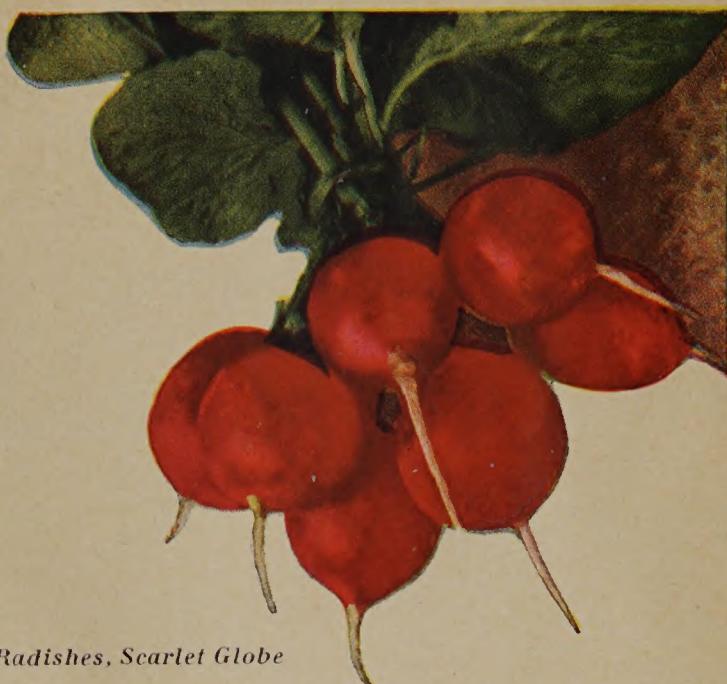
EARLY WHITE VIENNA—White, tender, medium sized bulbs. Pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 50c, 1 lb. \$1.50.

LETTUCE

NEW YORK or LOS ANGELES—The most widely used variety. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, 1 lb. \$1.25.



Peas, Giant Stride



Radishes, Scarlet Globe

SALSIFY

MAMMOTH SANDWICH ISLAND—The improved large-rooted variety. Pkt. 5c, 1 oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.00.

SPINACH

HOLLANDIA PRICKLY WINTER—Improved strain of the prickly winter varieties. Best variety for fall planting. Pkt. 10c, oz. 20c, 1 lb. 75c.

SWISS CHARD

LARGE RIBBED WHITE—Smooth green leaves, large mid-rib. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 35c, lb. \$1.00.

LUCULLUS—Light green leaves, slightly savoyed. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 35c, lb. \$1.00.

RADISH

SCARLET GLOBE—Bright scarlet; globe shape. Pkt. 5c, 1 oz. 15c, $\frac{1}{4}$ lb. 35c, lb. 75c.

ICICLE—Long white. Pkt. 5c, 1 oz. 15c, $\frac{1}{4}$ lb. 30c, 1 lb. 85c.

Few people realize how easily small plots of ground in the back yard garden, when properly handled, can be made to yield large quantities of fresh vegetables throughout the year. Again, few appreciate the large number of different crops that can be grown in Northern California successfully.



Beet, Early Wonder

ONION

CALIFORNIA EARLY RED—Early, large, half-globe bulbs of deep red color. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 75c, 1 lb. \$2.50.

ITALIAN RED or TORPEDO—Elongated in shape. Heavy producer. Remarkable sweet flavor. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.

CALIFORNIA EARLY YELLOW (Stockton Yellow)—Yellow companion to California Early Red. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.

PARSNIP

HOLLOW CROWN—Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 35c, lb. \$1.00.

PARSLEY

EMERALD or DWARF EXTRA CURLED—Bright green crimped or curled leaves. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 35c, lb. \$1.00.

PLAIN-LEAVED—Stronger in flavor than other varieties. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 25c, lb. \$1.00.

PEAS

DWARF TYPES

Giant Stride—Extra large dark green pods. Pkt. 10c, $\frac{1}{2}$ lb. 20c, lb. 35c, 5 lbs. \$1.25.

Laxton Progress—Earliest large podded sweet dwarf pea. Pkt. 10c, $\frac{1}{2}$ lb. 20c, 1 lb. 35c, 5 lbs. \$1.25.

TALL TYPES

Alderman—Large podded variety of the telephone family. Resistant to Fusarium wilt. Pkt. 10c, $\frac{1}{2}$ lb. 20c, lb. 35c, 5 lbs. \$1.25.

Write for prices on clovers for quantities larger than quoted in this catalog. At the time our fall catalog goes to press prices on clovers are not well established. Always quoting the lowest current market prices, we should be most appreciative, therefore, of your inquiry at time of purchase so that we may take care of any price fluctuations. Prices quoted are postpaid to the fourth zone.

PLANT CALIFORNIA BUR CLOVER

Hardy — Vigorous Growing — Ideal for Cover Crop, Pasture, and Ranges.

Bur Clover (*Medicago hispida denticulata*) is an annual clover increasing in prominence each year. This is easily seen when its many uses and easy adaptability are taken into account.

First, it proves very useful as a catch or cover crop. The plants branch profusely from the crown, forming from 10 to 20 spreading or decumbent branches from 6 to 30 inches long. The roots are extremely fibrous and spread widely in the soil. Hence, washing and leaching of the soil are prevented during the winter months, and the soil is enriched with valuable nitrogenous material if the crop is later turned under. Decays rapidly when turned under, very shortly becoming incorporated into the soil, an important feature to consider of any cover or green manure crop.

Second, as a pasture crop it has been found excellent for hogs, sheep, and cattle. For this purpose it can be sown either alone or for permanent pastures in combination with perennial grasses and other clovers. This will insure abundant winter feed during the time many other species are comparatively or entirely dormant. Very desirable results have accordingly been obtained in seeding ranges during the fall months with Bur Clover. While only an annual in growth, due to its abundant seed forming habit, it reseeds itself readily each year, covering the ground during the winter months.

Third, while preferring a moist well-drained soil for its maximum development, it thrives even on poorly drained soils. The



BUR CLOVER USEFUL FOR FALL SOWING ON RANGES

For ranges, bur clover makes an excellent winter and spring growth for feed purposes. On ranges where grasses have become sparse due to heavy grazing, or more especially on burnt over areas, bur clover will easily turn such sections again into profitable range lands. In the case of burnt over areas, sow seed right in the ashes which makes for an excellent seed bed.

Sowing should be made as early as possible in the fall to insure the full benefit of fall rains permitting the clover to establish an early growth. On ranges which are being grazed, permit animals to continue feeding after seed has been sown, as this practice helps to trample seed into ground, thereby inducing quicker germination of the seed.

A light sowing of 5 to 8 pounds per acre proves most satisfactory. On ranges covered with heavy vegetation, or growth, the sowing of bur clover has not proven too successful and is therefore not recommended.

only two prerequisites necessary for its success are fairly mild winter conditions, as experienced in our interior valley and foot hill areas, and sufficient moisture provided by winter rains.
1 lb. 25c; 10 lbs. \$2.00.

CLOVERS

Of Such High Value Their Presence on a Farm Assures Prosperous Condition!

WHITE SWEET CLOVER OR BOKHARA (*Melilotus Alba*)—Also called White Melilotus and Honey Clover. A biennial clover recently coming into prominence as a forage crop and soil builder. Outstanding characteristics are its ability to succeed in places where alfalfa does not, its resistance to both heat and cold, its large penetrating tap root which will penetrate stiff clays, and the facts its feeding value is about the same as that of alfalfa. Likewise, very drought-resistant, getting along with less water than any other cultivated legume. An important cultural recommendation to remember is never to pasture or cut too close. This is for the reason that the new growth originates on the upper branches instead of on the main stem near the ground. Sow 10 to 12 lbs. per acre on a very firm seed bed. **1 lb. 30c; 10 lbs. \$2.50.**

RED CLOVER (*Trifolium pratense*)—A clover sown largely in combination with Timothy for excellent quality hay. Fine particularly for dairy cows and livestock. Roots and stubble are also said to contain more fertilizing matter than most other legume crops. When planted alone, sow 12 to 15 lbs. per acre. When planted with Timothy, sow 8 to 10 lbs. of clover to 2 to 5 lbs. of Timothy to the acre. **1 lb. 35c; 10 lbs. \$3.00.**

STRAWBERRY CLOVER (*Trifolium fragiferum*)—A very long-lived low growing perennial clover spreading by means of runners. Introduced from Australia, it has much promise in California and other western states because of its adaptability to heavy wet or marshy soils and its tolerance to alkali condi-

tions. Will even stand submergence during a portion of the winter. Grows best under cool climatic conditions. Excellent feed for stock. Best time for sowing is in the fall months. Main growing period is from November to June. **1 lb. \$1.50; 10 lbs. @ \$1.25 per lb.**

ASTRAGALUS RUBYI (Hardy Perennial)—This new clover from Montana has been found to do well there on low, damp, alkali bottomland. Sow 7 lbs. per acre. **1 lb. \$1.50.** Write for detailed information.

ALSIKE OR SWEDISH CLOVER (*Trifolium hybridum*)—**1 lb. 35c; 10 lbs. \$3.00.**

SULLA CLOVER—**1 lb. \$1.50; 10 lbs. @ \$1.25 per lb.**

HUBAM CLOVER (*Melilotus alba annua*)—**1 lb. 30c; 10 lbs. \$2.50.**

LOTUS CORNICULATUS—**1 lb. 75c; 10 lbs. \$6.50.**

KOREAN LESPEDEZA (*Lespedeza stipulacea*)—Annual species. **1 lb. 30c; 10 lbs. \$2.00.** Write for circular.

JAPANESE LESPEDEZA (*Lespedeza sericea*)—Perennial species. **1 lb. 40c; 10 lbs. \$3.00.**

FENUGREEK (*Trigonella foenum-graceum*)—A clover-like plant coming recently into popularity as a soil improvement crop. Prefers a medium textured soil of good drainage. Early fall planting is advisable for best results. Free from disease and insect pests to a remarkable degree. Has given good results when used in rotation with other crops. **1 lb. 25c; 10 lbs. \$2.00.**

ALFALFA

WRITE FOR PRICES IN LARGER QUANTITIES

FANCY CHILIAN (OR COMMON)—This is the most popular of all varieties. Yields very heavily and produces the finest hay. Has a long life and thrives splendidly wherever growing conditions are normal. **1 lb. 30c; 10 lbs. \$2.50.** Write for quantity prices.

GRIMM ALFALFA—The hardiest strain of alfalfa. Extra hardy in cold or dry places. Not recommended for planting in the valley. **1 lb. 50c; 10 lbs. \$4.50.** Write for quantity prices.

HAIRY PERUVIAN—The hay from this variety is not quite as fine as that of Chilian. **1 lb. 35c; 10 lbs. \$3.00.**

Write for prices on *Melilotus Indica* and *Ladino Clover* for quantities larger than quoted in this catalog. At the time our fall catalog goes to press prices on these two items are not well established. Always being able to quote the lowest current market prices, we should be most appreciative of your inquiry at time of desired purchase so that we may take care of any price fluctuations. Prices quoted are postpaid to the fourth zone.

LADINO CLOVER — Unexcelled for Pasture

During the past few years the increasing use and widespread planting of Ladino Clover for forage and pasture purposes has been so phenomenal that Ladino is now of major importance as a forage crop in California. It has aptly been termed a crop which is turning our central valleys into a paradise of wealth. Ladino is proving indispensable because it is adaptable to unlimited acreages where alfalfa is not suitable.

There are many soils too heavy or too shallow for alfalfa. Ladino, having a very shallow root system, does not need a great depth of soil. Heavy soils are, in addition, more retentive of moisture which makes an ideal condition for Ladino. Hardpan close to the surface of the soil is beneficial rather than detrimental, for it keeps the water within the reach of the plant roots for a longer period of time.

Again, areas foul with sod forming weeds rapidly thin out alfalfa stands. Ladino, due to its tremendous spreading ability by means of its elongating stems next to the ground, is able to compete with all such grasses. Even in sections infested with Bermuda, Ladino gives complete satisfaction if given plenty of water.

Alfalfa wilt and dwarf diseases are becoming increasingly serious in California. These diseases do not affect Ladino, which can be grown on such lands where alfalfa



LADINO AN ALL-PURPOSE CLOVER FOR PASTURE, HAY OR SEED

The above illustration brings out the invaluable use of Ladino particularly as a pasture crop. As such, Ladino produces a very heavy tonnage of rich succulent feed highly relished by all types of livestock. Chemical analysis shows a very high protein content, particularly in the immature or growing stage. For this reason, of wonderful value as a pasture for dairy cattle or sheep which require feed high in proteinaceous materials, especially the former for high milk production.

Ladino hay is similarly of excellent quality. If considerable acreage is grown, use Ladino both for pasture and hay. The spring growth can be used entirely for pasture, the summer growth for hay, and the later growth for either pasture or hay, or as a seed crop—a practice now being considered by many of our California farmers. While the tonnage per acre for hay is not large for any one cutting, because of the hay consisting mostly of leaves and leaf stems, the feeding value as stated is very high.

Consider this high value of ladino together with its easy adaptability and culture: Grows on soil too heavy or too shallow for alfalfa; likewise, on soils too wet for the former; competes with sod-forming and pernicious grasses on fowl areas; grows on alfalfa-sick soil. Does this not give some idea of the ever-increasing importance of Ladino as a forage crop in this state?



Individual plant of Lago Brand Ladino Clover showing vigor and prolific branching habit.

proves no longer profitable. On all such difficult areas and under the adverse conditions as mentioned above, with adequate irrigation Ladino prospers and succeeds, forming a long-lived pasture. Coupled with this also, its pasture value has been found unsurpassed, for the part of the plant available to the grazing animal consists mostly of the highly nutritious leaves.

Lago Brand Ladino is a pioneer in the Sacramento and San Joaquin Valleys where it has a long reputation of the highest merit. Sow 5 to 6 lbs. per acre. **Lago Brand Genuine Ladino Clover in 1 to 5-lb lots, \$1.00 per lb.; 6 to 10 lbs., 85c per lb.**

CULTURAL SUGGESTIONS FOR LADINO CLOVER

May growers have become discouraged with Ladino on first planting attempts, or disappointed, due often to the slow growth or poor showing of new Ladino stands. Such results, in most instances, can be avoided if necessary cultural requirements are given proper attention.

In the preparation of the land prior to planting, two important factors must be given due consideration. First, Ladino seed, because of its very small size, must be sown on a very firm seed bed. Second, careful levelling and preparation of the land for thorough and easy irrigation is essential.

MELILOTUS INDICA

(Yellow Annual Melilot or Sour Clover)

Melilotus Indica Develops Luxuriant Tonnage of Growth for Cover or Green Manure Crops

Melilotus indica is another annual clover, being more extensively used each year for cover crop purposes. Proves outstanding because of its extremely high fertilizing value and the large tonnage of growth produced for incorporation into the soil.

The well defined tap root penetrates deep into the soil and the numerous lateral roots spread in all directions. In common with other legumes, this extensive root system is covered with nitrogen fixing bacterial nodules which utilize atmospheric nitrogen, and place this in a form usable by succeeding crops.

Melilotus indica succeeds on most any type soil, even on wet or poorly drained soils, making a very vigorous growth during

the winter months. Orchardists have found particular favor with this crop, using it extensively as a cover crop in peach, walnut, citrus, etc., orchards. Equally as good for any open type land. For best results, plough under when in full bloom. Has limited use furthermore as a feed for livestock. Can be pastured off during the early part of the growing season, and then permitted to grow again for a good growth for turning under. While all portions of the plant contain a bitter tasting compound known as "Cumarin"—which has a sweet vanilla-like odor—this flavor is not objectionable to livestock if pastured while plants are still young and tender. **Lb. 25c; 10 lbs. \$2.00.**

Write for prices on Grass Seeds for quantities larger than quoted in this catalog. At the time our fall catalog goes to press prices on grass seeds are not well established. Always in a position to quote the lowest current market prices, we should appreciate receiving your inquiry at time of desired purchase so that we may be able to take care of any price fluctuations. Prices quoted are postpaid to the fourth zone.



LAGO BRAND BALANCED PASTURE MIXTURES INSURE YOU OF AN ALL YEAR AROUND OR EVERGREEN PASTURE

Balanced pasture mixtures are highly recommended for the following reasons:

1. Tendency of Ladino clover to cause bloat in well established Ladino pastures is minimized or entirely avoided.
2. Lengthens the feeding period of a pasture.
3. Increases the feeding value of a pasture.
4. Livestock have been found to do better on a mixed forage.

Various grasses used in combinations with Ladino for this purpose must have certain requisites, such as being able to hold their own in combination with Ladino, growing and furnishing feed throughout a long growing season, and the ability to withstand heavy pasturing. The kinds of grasses and the proportions to use is therefore of the utmost importance and can only be determined through long testing and experience.

Our prepared and balanced mixtures are based on such long experience and meet these conditions satisfactorily.

**Lago Brand Evergreen Pasture
No. 1**

For Sacramento Valley Shallow Hardpan Soils

This mixture is made up of the regular amount of Ladino Clover (5 lbs.) with the addition of Western Rye Grass, Orchard Grass, and Dallas Grass. Should be seeded at the rate of 15 lbs. per acre. Cost, \$7.50 per acre.

**Lago Brand Evergreen Pasture
No. 2**

For Sacramento Valley Deep Soils

This mixture is made up of the regular amount of Ladino Clover (5 lbs.) per acre with the addition of Alfalfa, Western Rye Grass, Orchard Grass, and Meadow Fescue, compounded to give a high production per acre over the whole year. Sow at the rate of 18 lbs. per acre. Cost, \$6.95 per acre.

**Lago Brand Evergreen Pasture
No. 3**

For San Joaquin Valley Shallow Hardpan Soils

Made up of the regular amount of Ladino Clover (5 lbs.) per acre with the addition of Western Rye Grass, Orchard Grass, and Dallas Grass. Sow at the rate of 15 lbs. per acre. Cost, \$7.50 per acre.

**Lago Brand Evergreen Pasture
No. 4**

For San Joaquin Valley Deep Soils

Made up of the regular amount of Ladino Clover (5 lbs.) per acre with the addition of Alfalfa, Yellow Flowered Sweet Clover, Western Rye Grass, and Dallas Grass. Sow at the rate of 15 lbs. per acre. Cost, \$7.25 per acre.

PLANTING AND MAINTAINING EVER-GREEN PASTURES

Sowing seed of various grasses mixed with Ladino Clover seed is becoming an ever important practice in the establishment and maintenance of evergreen, or permanent, pastures. This practice is highly recommended for a number of very important reasons.

All livestock men are aware of the constant danger of bloat when animals are pastured exclusively on Ladino Clover. Ordinarily, during the first few years after planting, little trouble of this kind is experienced due to the native grasses and weeds which are present. Eventually, as the Ladino crowds these out, and becomes a pure stand, bloat often becomes very serious. To reduce this tendency of Ladino to bloat, it is well to use some types of grasses with the clover.

By using other grasses in combination with Ladino, a good quantity of feed is, likewise, insured throughout a longer growing season. Furthermore, due to an increased feeding value, livestock have been found to do better on a mixed forage.

The kinds of grasses to use with Ladino and their relative proportions has been receiving much attention by experiment station men, seedmen, farmers, etc. The following mixtures which we offer have been formulated after a long period of observation and experience in this field of work.

GRASS SEEDS

Prices quoted are postpaid to the fourth

zone.

DALLAS GRASS (*Paspalum dilatatum*)—A low spreading perennial grass producing leafy clumps. Though very drought-resistant, growth is ideal under conditions suitable for Ladino—rather heavy soils with frequent irrigations. Experimental evidence and actual commercial plantings have shown that with proper handling Dallas Grass is one of the best grasses to combine with Ladino for pasture purposes. Is highly recommended as such in many sections of the state. Rather slow, like Ladino, in establishing itself. A quick growing grass like Rye, therefore, should be included in the mixture when sown. While palatable to livestock, they naturally prefer the Ladino. This preferential feeding causes Dallas to shoot up seed stalks and reseed itself to the detriment of the Clover. Therefore, graze heavily or cut back before seed is produced to maintain a well-balanced mixture. Main growth is in the spring and summer. Sow 4 to 6 lbs. per acre. 1 lb. 50c; 10 lbs. \$4.50.

ITALIAN RYE GRASS (*Lolium italicum*)—An annual grass valuable for sowing with Ladino Clover because of its rapid or quick growth, giving food forage while Ladino becomes established. Also, grows well during the winter providing forage while the Clover is practically dormant. Distinguished from other types of Rye Grass by its coarser foliage and the long awns on the head, which measure about $\frac{1}{2}$ inch in length. Like Ladino, requires heavy moist soils. When sown alone, good for temporary pasture or for use as a high quality very sweet hay. 1 lb. 20c; 10 lbs. \$1.50.

MEADOW FESCUE (*Festuca elatior*)—A long-lived perennial bunch grass succeeding best on moist to wet soil. Will grow well in shade. Promising for mixture with Ladino, therefore, on very heavy wet soils. Similar in growth and habit to Red Top, but under many conditions produces a larger quantity of feed. In mixtures sow 6-8 lbs. per acre. Alone, sow about 25 to 30 lbs. per acre. 1 lb. 35c; 10 lbs. \$3.00.

ORCHARD GRASS or COCKSFOOT (*Dactylis glomerata*)—A perennial bunch grass withstanding heat, some drought, and adapted to wet soils. Main period of growth starts in spring, growing luxuriantly from then until return of winter. Does not tolerate alkali. While thought very satisfactory in combination with Ladino, care must be used to graze heavily or cut back before seed is formed. Otherwise, the clover being much more palatable is grazed closely and thus weakened,

allowing the Orchard Grass to form seed stalks and reseed itself easily, soon taking the entire field. Likewise, by keeping growth short, Orchard Grass is made more palatable. Good for hay when planted alone or with Red Clover. 1 lb. 35c; 10 lbs. \$3.00.

RED TOP (*Agrostis palustris*)—A perennial sod forming grass with vigorous shallow root stalks. Recommended especially for the cooler sections of the state where it will form a more uniform and close mixture with Ladino than any other grass. However, not suited for this purpose in our interior valley regions, where it will not tolerate the warmer summer temperatures, or hold its own with the clover in a mixture. While dormant in winter, growth starts very early in spring. Tolerates both wet and dry conditions, sour soil, and relatively low temperatures. Does well also in combination with Meadow Fescue, Orchard Grass, or Alsike Clover. Seeding rate in mixture 2-4 lbs. per acre; alone, 14 lbs. hulled seed per acre. 1 lb. 35c; 10 lbs. \$3.00.

ALFILARIA (*Erodium cicutarium*)—1 lb. 75c.

BLUE GRASS, WINTER (*Poa bulbosa*)—1 lb.

50c; 10 lbs. \$4.50.

BROME GRASS (*Bromis inermis*)—1 lb. 40c;

10 lbs. \$3.50.

MESQUITE (*Holcus lanatus*)—Hulled seed.

1 lb. 35c; 10 lbs. \$3.00.

RHODES GRASS (*Chloris gayana*)—1 lb. 50c;

10 lbs. \$4.50.

TALL MEADOW GRASS (*Avena elatior*)—1 lb. 40c; 10 lbs. \$3.50.

TIMOTHY (*Phleum pratense*)—1 lb. 25c; 5 lbs.

\$1.00; 10 lbs. \$1.50.

Write for prices on vetches and field peas for quantities larger than quoted in this catalog. At the time our fall catalog goes to press prices on these two items are not well established. Always being able to quote the lowest current market prices, we should be most appreciative of your inquiry at time of desired purchase so that we may take care of any price fluctuations. Prices quoted are postpaid to the fourth zone.



THE USE OF COVER OR GREEN MANURE CROPS YEARLY INCREASING IN CALIFORNIA

Farmers over the entire state, through their own experiences and in compliance with the national soil conservation program, are convinced of the value of cover or green manure crops for the improvement

and maintenance of soil fertility. Their use is becoming more extensive each year. Consider the benefits of these crops and thereby convince yourself of making heavier plantings this fall.

COVER OR GREEN MANURE CROPS WILL:

1. Protect the soil from surface erosion.
2. Prevent loss of essential plant elements being leached from the soil during the winter period.
3. Improve the structure and water holding capacity of the soil.
4. Increase the all-important nitrogen content of the soil if the cover crop used is some type of legume.
5. Supply organic matter to the soil, which on decomposing releases plant food, and indirectly increases the availability of other plant nutrients already present in the soil.
6. Improve the humus content of the soil.
7. Increase the yield and quality of the succeeding crops.

Vetches and Field Peas for Fall and Winter Planting

Unsurpassed for Hay, Pasture, and Soil Improvement.

While alfalfa constitutes the principal hay and forage crop of California, there are many sections, due to their unfavorable climatic, soil, or moisture conditions, which are wholly unsuited to this crop. Even in alfalfa localities the pernicious bacterial wilt disease, or water shortages, are making this crop no longer profitable.

There has been a great need for good hay and pasture crops in such regions, and the vetches and field peas have been meeting this need admirably. Varieties of these crops do well on a wide range of soil conditions, and require little or no irrigation for their entire development. Also, withstand adverse weather conditions such as low temperatures, etc., and have proven of extremely high feeding value for livestock. For their best development they should be sown in fall or early winter and harvested in late spring for all require a cool moist growing condition as is afforded them during our fall, winter and spring months.

Most of these crops, owing to their habit of growth, do best when sown with oats, rye, or barley. One of the best and most widely used combinations is Vetch, or Austrian Winter Peas, with Kanota Oats. Both the legume and the cereal reach the ideal stage of maturity for hay purposes simultaneously. Vetch is best for hay when cut in full bloom.

The use of Vetch and Field Peas for soil improvement as cover crops is widely practiced and increasing at a tremendous rate in our state. Improved soil conditions with a consequent reduction in tractor fuel required for soil preparation, large increase in yields, etc., following these legumes is bringing about almost fabulous results in all sections.

COMMON VETCH (*Vicia sativa*)

Likewise, called Oregon and Spring Vetch. The most commonly used and best known variety in the state. Succeeds best in our own interior valley and foothill regions where it is adapted to a wide range of soil conditions as long as adequate drainage is provided, and withstands low winter temperatures. In this latter respect it is hardier than Purple Vetch. If planted with oats, rye, or barley, can be pastured in late winter and early spring, and by removing livestock in March, will also produce a good hay crop in May or June. 1 lb. 25c; 10 lbs. \$2.00.

PURPLE VETCH (*Vicia atropurpurea*)

Succeeds under normal conditions in our interior valley sections, but better adapted and the most dependable variety for all coastal regions. In such regions it produces larger yields than

the Common Vetch. Likewise, makes more growth during the cool weather of winter than any other. However, less winter-hardy than the Common or Hairy types. Very palatable for livestock of all kinds, either as a pasture or hay, and of extremely high feeding value. 1 lb. 25c; 10 lbs. \$2.00.

HAIRY VETCH (*Vicia villosa*)

Also called Winter Vetch, Siberian Vetch, etc. An extremely hardy vetch being adapted to many adverse conditions. While it will do well on most types of soil, if there is good drainage, particularly adapted to sandy or sandy loam soils, making satisfactory yields on such soil types where other varieties fail. Very winter-hardy, rarely if ever being winter-killed. In addition, possesses the advantage of being drought-resistant, and more alkali tolerant than other varieties. Its chief disadvantage lies in the fact that it makes little vegetative growth during the winter months. Hence, of little value for winter pasture. During this time, however, tremendous root development is made, accounting for its drought-resistance. Plants grow very rapidly with the coming of spring weather. 1 lb. 25c; 10 lbs. \$2.00.

AUSTRIAN WINTER PEA (*Pisum arvense*)

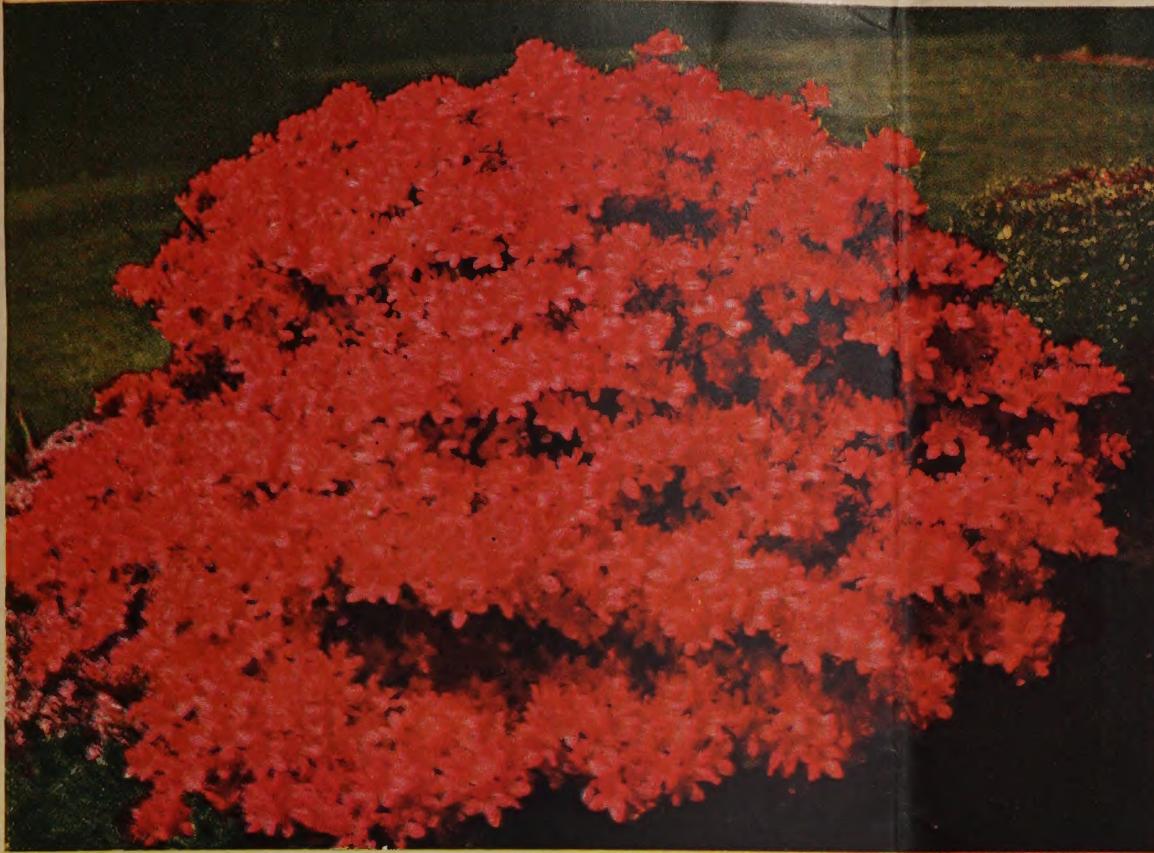
The most winter hardy of all varieties of field peas. Prefers clay or clay loams, but will succeed on most types of soil providing drainage is adequate. Especially adapted to the interior valley and foothill sections. Being very viney with small weak stems, does well in combination with oats, rye, or barley which act as a supporting crop. While growth is slow during the cold winter months, a very rapid growth is made in warmer spring weather. The most promising variety of field pea for hay production in California. Likewise, excellent for pasture and cover crop purposes. 1 lb. 25c; 10 lbs. \$2.00.

CANADIAN FIELD PEAS

Another variety of *Pisum arvense* suitable for the same soil and climatic conditions as Austrian Winter Peas. Less winter hardy, however, than the latter. The main advantage of this variety over the Austrian Winter Pea is its better growth during fall and winter months and its earlier maturity in spring. However, due to the short thick stems, and early maturing seed pods it is very difficult to cure as a hay crop. For this reason, best used as either a spring pasture crop, especially for hogs, or an early maturing cover crop for soil improvement where early spring planting is required of the crop to follow. 1 lb. 25c; 10 lbs. \$2.00.

Lagomarsino's Selection of Choice Nursery Stock for Fall Planting

The fall months are an excellent time for the planting of shrubbery of all kinds. Many put off too much planting of certain types in the garden for the very busy spring months which can be handled to better advantage in the fall.



Azalea, Hexe

Write for our special list of Rhododendrons, Camellias and English Holly, containing descriptions and prices.

EVERGREEN SHRUBS

All shrubs, both Evergreen and Deciduous, are growing in gallon cans, and are shipped in this manner. Price is 60c each. All prices are f.o.b. Sacramento.

ABELIA GRANDIFLORA (Glossy Abelia)—Foliage very glossy green. Flowers from spring until late fall, producing small tubular flowers, white flushed with pink.

AUCUBA JAPONICA VARIEGATA (Gold Dust Plant)—One of the most popular shrubs for very shady locations. Leaves large and broad and completely mottled with brilliant gold spots.

BERBERIS DARWINI (Darwin's Barberry)—Compact growing shrub with slender arching branches covered with small spines. The small oval leaves are bright green in summer, turning red in winter. Covered in autumn with attractive scarlet berries. Will endure partial shade.

CEDRUS DEODORA (Deodar Cedar)—Widely planted throughout the state as a specimen and street tree. Of perfect habit, with horizontal branches, and dark bluish-green needle-like leaves. Used extensively as an outdoor Christmas tree.

CHAMAECYPARIS LAWSONIANA (White Cedar)—A stately tall growing cypress ultimately reaching a height of about 60 feet. Spreading branches with flattened fern-like branchlets, and bright green leaves.

CHAMAECYPARIS LAWSONIANA ALUMI (Blue Scarab Cypress)—A lovely columnar shrub growing from 5-8 feet tall used as an accent shrub near the corners or entrances of residences. Dark green leaves with a bluish metallic sheen.

COTONEASTER HORIZONTALIS (Rock Coton-easter)—Low horizontal branching type with numerous late red fruits. A semi-evergreen in nature.

CYPRESSUS ARIZONICA (Arizona Cypress)—A compact pyramidal tree ultimately reaching 40-50 feet in height. Grayish foliage. Looks best when grouped by themselves or with other conifers. Quite drought resistant.

CYTISUS CANARIENSIS (Canary Island Broom)—Tall growing much branched shrub, completely covered with short racemes of golden yellow flowers during spring months.

CYTISUS SCOPARIUS (Scotch Broom)—Large shrub with bright yellow flowers in loosely arranged racemes.

ERICA MELANTHERA (Blackeye Heather)—Lovely winter blooming shrub with persistent pink flowers containing black tipped stamens.

GENISTA HISPANICA (Spanish Broom)—An upright growing shrub with round leafless branches covered with a profusion of terminal clusters of yellow flowers from April to June.

HYPERICUM MOSERIANUM (Goldflower)—Small compact shrub with pale green foliage covered throughout summer with brilliant golden yellow flowers having prominent showy yellow stamens. Withstands certain amount of shade.

JUNIPERUS PFITZERIANA (Pfitzer's Juniper)—Large spreading shrub (spreads 10-12 feet, reaches height of 4-5 ft.) developing graceful horizontal branches covered with gray-green foliage. Fills up any space effectively.

JUNIPERUS PROCUMBENS (Creeping Japanese Juniper)—Very prostrate variety sending out long finger-like branches. Hence, especially adapted for planting in front of low porches, patios, or near pools.

JUNIPERUS EXCELSA STRICTA (Greek Juniper)—Very compact, small growing juniper of 6-12 feet in height, with glaucous blue-green foliage. Fine for use by walls, entrances, etc., as a small accent shrub.

LAUROCERASUS OFFICINALIS (English Laurel)—Large growing shrub outstanding for its very broad dark green glossy foliage. Makes a wonderful background shrub.

MAHONIA AQUIFOLIUM (Oregon Hollygrape)—Very showy shrub with holly-like leaves turning from light green in spring to shiny purple in autumn. The yellow blossoms in spring are followed by clusters of small purple fruits. Sun or shade.

MYRTUS BUXIFOLIA (Compact Myrtle)—Small leaved shrub with white flowers in late spring followed by blue-black berries. Leaves aromatic. Can be trimmed in almost any shape.

NANDINA DOMESTICA (Chinese Bamboo)—Handsome small growing shrub with very dainty light green foliage turning bronzy red in early fall. Erect panicles of small white flowers in spring followed by crimson berries.

PITTOSPORUM TOBIRA (Japanese Pittosporum)—Excellent shrub of rather low and spreading growth. Foliage dark green. Flowers numerous in spring, cream colored, and extremely fragrant.

PYRACANTHA ROSEDALE (New)—An outstanding new variety unique for its huge orange-red berries, which cover the shrub in fall, and for its broad glassy foliage.

QUERCUS AGRIFOLIA (California Live Oak)—Our own native oak so highly esteemed by all Californians. A fairly rapid grower when cared for under cultivated conditions.

THUYA ORIENTALIS AUREA NANA (Berckman's Golden Arbor Vitae)—Very symmetrical little shrub of narrow pyramidal habit growing to a height of 2-3 feet. Dark green foliage tipped with golden yellow. Excellent as a small accent shrub.

VERONICA DECUSSATA—Symmetrical compact shrub with dark green foliage and violet blue flowers which are produced abundantly throughout the growing season.

VERONICA IMPERIALIS—Compact growing with glossy green foliage tinged with red on midrib and edges. Flowers reddish-purple and striking in form.

VIBURNUM TINUS (Laurustinus)—A very hardy shrub adapted to practically any location. Produces a large quantity of white flowers very early in spring. May be kept any desired height by pruning.

DECIDUOUS SHRUBS

FORSYTHIA (Golden Bells)—Large spreading shrub of 6-8 feet in height, eye-smiting in spring, when massed with its myriads of bright yellow bell-shaped flowers.

HYDRANGEA HORTENSIS (Hydrangea)—An old favorite still without approach, developing immense corymbs of blossoms during the summer months. Does best in partial or full shade.

LAGERSTROEMIA INDICA ROSEA (Pink Crepe Myrtle)—Hardy growing, rather round-headed tree of from 10-30 feet. Invaluable for its profusion of soft-fringed, paper-like pink blooms during the summer months when most other shrubbery and trees are well past their blooming period.

LAGERSTROEMIA INDICA RUBRA (Red Crepe Myrtle)—Similar to the above species except for color, which is deep reddish-pink.

LIPPIA CITRIODORA (Lemon Verbena)—Leaves with lemon scented foliage.

SPIRAEA BUMALDA (Anthony Waterer)—Two to three-foot bush with flat erect clusters of crimson flowers during summer months.

SPIRAEA VANHOUTTEI (Van Houtte Bridal Wreath)—Eight-foot arching branched shrub of unsurpassed beauty in spring when covered abundantly with pure white blooms.

SYRINGA PERSICA (Persian Lilac)—Very graceful delicate textured shrub growing from 6-8 feet tall. Bears large panicles of small lilac fragrant flowers in late spring.

WEIGELA ROSEA (Pink Weigela)—Vigorous branching shrub attaining height of 10 feet or more, covered with clusters of rosy-pink tubular flowers during spring months. Sun and partial shade.

WEIGELA EVA RATHKE (Red Weigela)—Deep carmine-red tubular flowers.

Our Special Offer of Three Garden Aristocrats

AZALEA, HEXE—A very rapid growing evergreen azalea, wide-spreading in habit, and from 1 to 3 feet tall. Smooth glistening leaves. Complete profusion of semi-double scarlet flowers in spring. Shade or partial sun only. Anyone may grow Azaleas successfully by mulching with NUTRIO and applying RHO-ZA-LIA several times a year. Planted in 4-inch pots. **Each 35c**, f.o.b. Sacramento.

GARDENIA—Lovely bushy shrub with dark green glossy leaves, and marvelous scented pure white camellia-like flowers so esteemed by all. Desires warm sheltered location. Fine plants in gallon cans. **Each 75c**, f.o.b. Sacramento.

RHODODENDRON, PONTICUM HYBRIDUM—Erect growing with dark green smooth leaves. Produces numerous flower clusters of rosy-purple flowers. Mulch heavily with NUTRIO and apply RHO-ZA-LIA several times a year. In 5-inch pots. **Each 50c**, f.o.b. Sacramento.

Plant Perennial Plants in Fall for Maximum Development

VIGOROUS FIELD GROWN CLUMPS AND GALLON CAN STOCK

Perennial plants, for their best development and prolific blooming habit, require a well-developed root structure. This is best accomplished by planting in fall and permitting root growth to take place during fall and winter months. Luxuriant top growth is entirely dependent upon the root structure or foundation of the plant. Hence, being so established, with the coming of spring they are ready for their proper vigorous vegetative and flower development.

AGAPANTHUS, BLUE AFRICAN LILY — Bulbous plants producing a large cluster of long deep green basal leaves. Shoots up long stalks of deep blue funnel shaped flowers in large umbels. Blooms throughout summer and fall. Fine for the mixed border or to use in large ornamental pots or tubs for decorative purposes. In gallon cans. **Each 50c, f.o.b. Sacramento.**

AQUILEGIA, LONG-SPURRED COLUMBINE (Select hybrids mixed)—One of the finest strains in existence. Huge long-spurred flowers on plants from 3 to 4 feet high. Sun or partial shade. Field grown clumps packed in 5-inch paper pots. **Each 25c, 12 for \$2.50, f.o.b. Sacramento.**

BEGONIAS, Semperflorens or Fibrous-Rooted — Bushy symmetrical begonias covered with small glistening flowers throughout spring, summer, and fall months. Perfectly hardy out-of-doors, dying down each winter but coming up again early in the spring. Excellent for shade or partial sun in front of shrub borders, under trees, around pools, etc.

Carmen—Bronze leaves; flowers a bright rose pink, contrasting nicely with the dark bronzy foliage.

Luminosa—Deep scarlet flowers with yellow tufted center stamens. Reddish brown foliage.

Prima Donna—Light rose-pink.

***Sorceress** (New) — Brilliant rose-pink; light green glistening foliage.

All begonias in gallon cans. **Each 35c, f.o.b. Sacramento.**

***CENTAUREA PULCHERRIMA** (New) (New Improved Cornflower)—Low growing plant developing clumps of basal leaves, grayish-green in color with white wooly hairs. From basal cluster of leaves numerous short stemmed stalks arise topped with lovely double rosy-lavender thistle-like flowers. Full sun; any type soil. Field grown clumps packed in 5-inch paper pots. **Each 25c, 12 for \$2.50, f.o.b. Sacramento.**

DELphinium, BLACKMORE & LANGDON HYBRID STRAIN—One of the most stately and desirable perennials in existence for the perennial or mixed border. Very free flowering strain, producing huge spikes set with large compact florets. Brilliant iridescent hues. Full sun. Field grown clumps packed in 5-in. paper pots. **Each 25c, 12 for \$2.50, f.o.b. Sacramento.**

FANCY CHIFFON SHASTA DAISIES — Low bushy type growth producing abundant lovely frilled flowers. Excellent in beds or mixed borders, combining well with practically all flowers. In gallon cans, **each 35c.**

HIBISCUS, MALLOW MARVELS — Tall growing (8-10 ft.) with large woody stems. Huge single wide petalled flowers of shades of rose, white, cream, and red. Flower stalks should be cut off each fall to induce vigorous spring growth. Large fleshy roots will penetrate even stiff clay soils. Full sun. In gallon cans. **Each 50c, f.o.b. Sacramento.**

Gerbera

PYRETHRUM (Painted Daisy) Robinson's Hybrid Strain—A new strain with larger flowers in a better range of color; plants more vigorous. Best planted in partial shade on well-drained loamy soil. Field grown clumps packed in 5-in. paper pots. **Each 25c, 12 for \$2.50, f.o.b. Sacramento.**

SCABIOSA FISCHERI (New) — An attractive new Scabiosa of Manchurian origin, easy to grow and a long lived perennial. Grows 1-2 ft. in height, requiring no staking because of its very neat and tidy growth habit. Flowers a lovely orchid-lavender color. Continuous bloomer throughout summer months. Full sun. Field grown clumps packed in 5-in. paper pots. **Each 25c, 12 for \$2.50, f.o.b. Sacramento.**

TRANSVAAL DAISY (Gerbera) — An ever-increasing popular perennial due to the charming daisy-like narrow petalled flowers of brilliant color hues. Require full sun, well-drained soil, and not too much water. Keep soil well around crowns. In gallon cans. **Each 25c, f.o.b. Sacramento.**

BEDDING PLANTS FOR FALL PLANTING

All the following are strong growing seedling plants in flats ready for transplanting into the garden. **Per dozen, 50c, f.o.b. Sacramento. Per flat (6 doz. plants in a flat) \$1.50, f.o.b. Sacramento.**

No orders for less than a dozen plants of any one kind.

HARDY ANNUALS

The following annuals should be set out in the fall months for their best development. Excellent growth and profuse blooming in spring is assured through such early planting.

***CALENDULA, NEW YELLOW COLOSSAL**—The biggest Calendula in the world. Double, clear, bright yellow flowers 4½ inches and more across. An improvement over the universally favorite variety—Sunshine or Chrysanthemum.

CALENDULA, BALL'S MASTERPIECE—Long-stemmed, clear deep orange with brown center. Attractive contrasting colors and free flowering habit.

STOCKS, GIANT IMPERIAL FANCY MIXED—One of the best strains of Stock. Plants grow pyramidal in form, about 2½ feet, are strong and robust, and a very high percentage are covered with large double flowers.

SCABIOSA, GIANT HYBRIDS MIXED—A special strain containing only the new large flowered varieties. Well balanced in good cut flower colors.

SNAPDRAGON, RUST-RESISTANT MIXED—One of our specialties, as we were one of

the pioneers in their development and introduction. Vigorous branching plants; choice mixed colors.

WALLFLOWER, DOUBLE EARLY WONDER—A new hybrid strain of fine assorted colors, blooming very shortly after planting, even under unfavorable weather conditions.

PERENNIAL PLANTS

COLUMBINE, LONG-SPURRED MIXED SHADES—Huge long-spurred flowers on plants from 3-4 feet high.

DIANTHUS PLUMARIUS (GARDEN PINKS) SPRING BEAUTY — A mixture of extra double giant-flowered pinks in splendid color variations.

DELphinium, BLACKMORE & LANGDON STRAIN—Huge stately spikes of lovely iridescent shades of blue.

PENTSTEMON, NEW GIANT FLOWERED MIXED—A fine huge blossomed strain of pentstemon of recent European import.

PYRETHRUM, ROBINSON'S HYBRID STRAIN—Larger flowers, and a better range of colors.

SHASTA DAISY, DIENER'S GIANT DOUBLE WHITE—Grown from seed, and while all plants will not prove entirely double, the single forms appearing will be very large and of interesting type.

SWEET WILLIAM MIXED—An old fashioned favorite making a strong comeback due to its intermediary blooming period at a time when early perennials are past and before summer flowering varieties have started.

MISCELLANEOUS MATERIALS

Prices on Insecticides and Fungicides are f.o.b. Sacramento, unless otherwise noted. Write for quantity prices.

SPRAY MATERIALS FOR FALL AND WINTER USE

FUNGI-BORDO — A powerful Bordeaux mixture widely used to control fungus diseases, such as peach curly leaf, peach blight, pear scab, strawberry rust, potato blight. 1 lb. 35c, 4 lbs. 80c.

ARSENATE OF LEAD — Used as a spray or dust to control chewing insects, such as beetles, caterpillars and worms. 1 lb. 35c, 4 lbs. 80c.

LAGO GARDEN SPRAY — A new garden spray containing Rotenone, especially effective for the control of aphid, mealy bug, red spider, certain mites, scale insects (young stages), diamond black cabbage worm, caterpillars, and white fly. 1 oz. bottle, 40c, postpaid. Makes 5 gals. spray. 4 oz. bottle, 80c, postpaid.



LAGO MILDEW SPRAY — An effective control for mildew on roses and other plants. 4 oz. bottle, 35c (40c postpaid).



use. Particularly effective against squash bugs. 1 oz. bottle, 40c (1 oz. makes 4 to 6 gals. spray). 4 ozs. 80c, postpaid.



CYCLONE SEEDER — Sows any kind of seed perfectly even over the ground at any desired rate per acre. Saves seed, soon pays for itself. Also used for seeding golf courses, etc. \$2.50 ea. (\$2.75 postpaid.)

RAT SCENT — A specially prepared poisoned grain. The scent attracts rats and mice to the bait and the grain itself is agreeable to their taste. Small pkg. 35c; medium size, 50c; 5-lb. tin, \$2.00; 15-lb. drum, \$6.00; 100-lb. tin, \$25.00. Not prepaid.

ANTROL — An effective control for the honey loving species of ants. Regular set of 4 containers and 4 ozs. of syrup, 65c. (Postpaid 80c.) Antrol Syrup, 4-oz. bottle, 20c; pint, 50c; quart, 90c; gallon, \$2.75.



TWO LEADING ALL-PURPOSE SPRAY GUNS

"HUDSON HANDY" SPRAY GUN — The Handy is adapted for use about the yard, garden, poultry house, etc. Fine for all fly sprays and disinfectants. About 1 quart capacity. 440—Handy. Price, postpaid.....50c

HUDSON LEADER SPRAYER

3½ Gallon Capacity

A large well made sprayer, priced moderately. Easy operating pump—light weight and convenient for anyone to use. Equipped with high pressure spray hose, perfection shut-off valve and brass extension rod.



192G—Galvanized Tank\$4.25
F. O. B. Sacramento.

Sensational New Plant Growth or Promoting Stimulants

LAGOMARSINO'S VITAMIN B1 SOLUTION — The Modern Garden Miracle. Re-invigorates root action which produces more vigorous, healthier plants, and larger blooms. Helps eliminate root shock in transplanting plants, shrubs, etc. Restores weak and scrawny plants to vigorous health. 10 cc. bottle, 50c, postpaid. One drop makes a gallon of Vitamin B1 Solution. 150 gals. to the bottle. 30 cc. bottle, \$1.00, postpaid.



HORMODIN POWDER — The sensational new powder containing the hormone-like plant growth substance—indolebutyric acid—which makes treated cuttings root quicker and have more growing roots per cutting. Hormodin powder offers a new fascination to the home gardener and enables the commercial grower to propagate from cuttings in higher percentages than ever before possible. No special equipment or training necessary for its use. Simply dip cuttings in water and then dip the moistened stem in Hormodin Powder. Tap gently to remove excess powder. Place cutting in the propagation medium in the usual way.

THE THREE HORMODIN POWDERS — Designed to cover the full propagating range with a one-dip treatment. Complete directions with every package.

Powder No. 1 — A general purpose powder especially good for carnations, roses, poinsettias, chrysanthemums, and similar types. 1¾ oz. tins, 50c each, f.o.b. Sacramento. 1 lb. tin, \$3.00 each, f.o.b. Sacramento.

Powder No. 2 — Designed for many of the woody and semi-woody types. 1¾ oz. tin, 75c each, f.o.b. Sacramento. 1 lb. tin, \$4.50 each, f.o.b. Sacramento.

Powder No. 3 — Designed for the more resistant species, including many evergreens and dormant leafless cuttings. 1 oz. tin, \$1.00 each, f.o.b. Sacramento. ½ lb. tin, \$4.50 each, f.o.b. Sacramento.

Combination Package — Powder No. 1, Powder No. 2, and Powder No. 3 in one carton. Each 75c, f.o.b. Sacramento.

Lago Bird Seeds (Bulk)



LAGO MIXED BIRD SEED — A combination of recleaned seeds for all canaries. The standard daily diet, air-washed and free from all dirt and chaff. 2-lb. bag, 25c; 5-lb. bag, 55c; 10-lb. bag, \$1.00; 25-lb. bag, \$2.25; 50-lb. bag, \$4.10; 100-lb. bag, \$8.00. F. O. B. Sacramento.

LAGO LOVE BIRD MIXTURE — Per lb. 10c; 10 lbs. 75c; 25 lbs. \$1.75; 50 lbs. \$3.25; 100-lb. bag, \$6.00. F. O. B. Sacramento.

LAGO DOUBLE RECLEANED CANARY — 5 lbs. 50c; 25 lbs. \$2.00; 50 lbs. \$3.50; 100 lbs. \$6.50, f.o.b. Sacramento.

LAGO BRAND SWEET RAPE — 5 lbs. 75c; 25 lbs. \$2.75, f.o.b. Sacramento.

LAGO JUMBO SUNFLOWER — 5 lbs. 60c; 10 lbs. \$1.00, f.o.b. Sacramento.

LAGO BIRD CHEER — Made up of an assortment of rare seeds for caged birds; also contains vitamins. 1 lb. 50c; 5 lbs. \$2.25; 10 lbs. \$4.00. Prepaid.

LAGO NESTLING FOOD — 1 lb. 50c; 5 lbs. \$2.25; 10 lbs. \$4.00. Prepaid.

LAGO PARROT MIXTURE — 1 lb. 25c; 5 lbs. \$1.00; 10 lbs. \$1.80. Prepaid.

LAGO FISH FOOD — 1 lb. 50c; 5 lbs. \$2.25; 10 lbs. \$4.00. Prepaid.

EEZY WEAR GARDEN GLOVES

All-Leather — DIRT-PROOF
SOFT AS KID — Extra Pliable



Ideal gloves for men and women, made from select imported leather processed to render it amazingly soft and pliable, as well as durable. Permit almost barehanded freedom with perfect comfort, yet insure complete protection from dirt, scratches, bruises, stains. Economical—outwear 6 pairs of fabric gloves and are useful the year round for garden, housework, painting, yard, furnace, garage, etc. WASHABLE. Sizes for women: Small, medium, large; for men: medium and large. Price, 75c per pair, postpaid.

WISS FLOWER HOLDER SHEARS — Will cut and hold flowers in one operation without crushing the stem. Prevents rose thorn scratches. No further handling needed. \$1.20, postpaid.

"TWIST-EMS" — Just a simple twist of the wrist and the plant is tied. Dark green, strong tapes with wire reinforcing that makes perfect plant ties. Place "Twist-Ems" around stem and support. Box of 125, 8 inch size, 25c, postpaid. Box of 250, 4 inch size, 25c, postpaid.

Guaranteed Modern Repellent

DOGZOFF — It will save you many annoyances and much damage. It is recommended for dogs, cats, moles, mice, rabbits, etc. Dogzoff will afford you freedom from these various pests. Dogzoff is very efficient and a little goes a long way. Season's supply bottle, 60c (postpaid 69c).

SEMESAN — This dust disinfectant is for combating many diseases carried on seeds, bulbs, corms, roots, or tubers of flower, vegetable and nursery crops. Reduces seed rotting and damping-off of seedlings. Applied either as a liquid or as a dust. Used as a liquid treatment for controlling 'brown patch' of lawn and golf green grasses. Cost of seed treatment varies from ¼ to 1 cent a pound of seed. 2-oz. tin, 35c; 1-lb. tin, \$2.25; 5-lb. tin, \$9.90; 25-lb. pail, \$45.50.

SEMESAN JR. — This dust disinfectant is for the control of Diplodia and Gibberella root rots of field and sweet corn; also for the prevention of seed rotting of early planted corn. It generally increases stands and yields. Is harmless to seed and is easily and quickly applied. One pound treats 8 bushels. 4-oz. tin, 30c; 1-lb. tin, 75c; 5-lb. tin, \$3.25; 25-lb. pail, \$14.00.

Lago Brand LAWN SEED

Lawn Grass Prepaid to Fourth Zone.



A COMPLETE PLANT FOOD

for
LAWNS
and
GARDENS

"The Best for the West"

F. LAGOMARSINO & SONS
SACRAMENTO, CALIFORNIA

The All-Purpose Complete Plant Food

Bearmor contains all of the essential elements for plant growth that are so often deficient in the soil, and which are necessary for proper development.

Bearmor applied to lawns several times a year will help maintain a strong, healthy, long-lived growth. Especially valuable for new lawns. All prices f.o.b. Sacramento.

2-lb. package	\$0.25
10-lb. bag76
25-lb. bag	1.40
50-lb. bag	2.25
100-lb. bag	3.50



LAGOMARSINO'S LAWN MIXTURE—A mixture of several deep green grasses blended so that they remain green from early spring until late autumn. It makes a beautiful turf of dark green color and stands hard usage. We especially recommend this grass for those desiring beautiful lawns. **Lb. 60c, 5 lbs. \$2.75, 10 lbs. \$5.25.**

KENTUCKY BLUE GRASS—Makes an excellent lawn of a dark green color. It forms a fine mat; with care and water makes one of the best lawns. **Lb. 50c, 5 lbs. \$2.35, 10 lbs. \$4.50.**

LAGOMARSINO'S SHADY LAWN MIXTURE—This grass is especially adapted for growing in very shady places or near buildings where other grasses will not grow. If you have a shady, barren place, try our Shady Lawn Mixture. **Lb. 70c, 5 lbs. \$3.25, 10 lbs. \$6.00.**

WHITE DUTCH CLOVER—A dwarf growing clover, especially adapted for lawns, either alone or in mixture with other grasses. **Lb. \$1.00, 5 lbs. \$4.75, 10 lbs. \$9.25.**

GOLDEN STATE LAWN MIXTURE—This is a standard popular mixture of quality seed for all general lawn purposes. **Lb. 45c, 5 lbs. \$2.00, 10 lbs. \$3.75.**

CREEPING BENT (Seaside Bent)—Also called Coos County Bent. This is a true Creeping Bent, stoloniferous in habit and when once established spreads rapidly and makes a strong enduring turf. Sow 1 lb. to 500 square feet. **Certified seed, lb. \$1.50, 10 lbs. \$1.25 per lb.**

ASTORIA BENT—A comparatively new and distinct kind of grass; seldom produces stolons but spreads from underground root stalks; produces splendid turf. Owing to its root habit it has a wider range of adaptability. **Certified seed, lb. \$1.50; 10 lbs. \$1.25 per lb.**

CHEWING FESCUE—Used extensively on putting greens, fairways and tees on golf courses, and does well even under poor conditions. Forms a close turf that prevents ingress of weeds, is permanent in all kinds of soils, even the highest and driest. Also good for shady locations. **Lb. \$1.00, 5 lbs. \$4.85.**

BERMUDA GRASS—Thrives in the hottest and driest weather. Well adapted for holding embankments, etc. **Lb. 60c, 5 lbs. \$2.50, 10 lbs. \$4.75.** In some cases used for lawns.

NUTRIO—The Natural Humus and Plant Food

Nutrio is a scientifically prepared humus and plant food. It is now possible with Nutrio to not only add humus to your garden soils but Nutrio also contains valuable plant foods and other valuable minerals. Use Nutrio liberally at the rate of one bag to 200 square feet (10x20) in your flower beds, new lawns, etc., and your soil will become mellow and your plants will respond in a surprising manner. Use Nutrio to supply humus and build up your soil as well as feed your plants. Easy to apply—does not burn. Complete directions with each bag. **Medium size bag, 50c; large garden size bag, \$1.00; 5 bags, \$4.50, f.o.b. Sacramento.**

RHO-Z-A-LIA

For Rhododendrons, Azaleas, Camellias, Daphnes, Gardenias, etc., an acid soil reaction is an absolute necessity for luxuriant growth. This is brought about by applying acid reacting chemicals to the soil around the plants several times during the growing season.

RHO-Z-A-LIA is a specially prepared food based on an expert formula by eminent plant physiologist, to bring about this required condition in our California soils for the proper growth of such plants.

Fall Bulb Catalog

From

F. LAGOMARSINO & SONS

Seedsmen

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Sacramento, California



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